CONTACT LICILIFIED PRINT PAGE

Display Files

P Display Molecule

El Structural Reports 22 External Links

F Structure Analysis ₽ Holp

dick here

4 + X Heving trouble with the web site? Try the tutorial

House Sourch Structure Results

A Minter R on I An Information Portal to Biological Macromolecular As of Tuesday Sep 02, 2008 There are 52821 Structures (i) 1 P

PDB ID or keyword - 7 Author Site Search (a) Judgas and Search

Are you missing data updates? The PDB archive has moved to ftp://ftp.wwpdb.org. For more information click here.

Help Structure Summary Biology & Chemistry Materials & Misterials Sequence Details like B HXS This No Big P Download Files B FASTA Sequence

Molecular

Classification

GO Tenns

PF01370 ☑

PROTEIN (GDP-FUCOSE SYNTHETASE) (1FXS A)

DOI 10/2210/odb1fvs/b/b Red - Degreed Information Download Original Files

Title GDP-FUCOSE SYNTHETASE FROM ESCHERICHIA COLI COMPLEX WITH NADP

Somers, W.S., Stahl, M.L., Sullivan, F.X. (1996) GDP-fucose synthetara from Eschenchis of: structure of a unique member of the short-chain dehydrogenasoreductase family that calalyzes be district reactions at the same active site. Structure 6: 1691-1612. [Abstract]

History Deposition 1998-09-01 Refered 1999-08-26 Experimental Method Type X-RAY DIFFRACTION Data N/A

Authors Somers, W.S., Stahl, M.L., Sullivan, F.X.

R-Free R-Matin Spane Crown Parameters 0.163 (obs.) P3-21 n/a

Length (A) 104.20 104 20 75.10 Angles [*] Unit Cell

< Biological Molecu Display Options KING

Images and Visualizati

Innol WebMol MILL Cimulations MILL Protein World CONVENDE All Instans * Capable of displaying biologica

Description Polymer 1 Molecule PROTEIN (GDP-FUCOSE SYNTHETASE) Chains A Asymmetric Uni Classification Oxidoreductase Source Polymor 1 Scientific Name Escherichia coli 🦈 Common Name Bacteria Expression system Escherichia coli Datefed DDD 1850 nutt Ligand Identifier Component NADP NICOTINAMIDE-ADENINE-DINUCLEOTIDE PHOSPHATE C21 H26 N7 O17 P3 团 f View 1 SCOP Fold Superfamily Family Classification GDP-4-keto-6-diaxy-d-mannose epimerase/reductase Esche (GDP-fucose Alpha and beta proteins (a/b) NAD(P)-binding Rossmann-fold (version 1.71) NAD(P)-binding CATH Domes Topology Hemulogy Classificat NAD(P)-bind Rossmann-lif 1fxsA01 Alpha Beta 3 (aver(aba) Sandwich Rossmann fold forming v3.1 do UDP-galactose 4-epimerase; domain 1 105602 Alnho Bata Alpha-Beta Complex PFAM Chain PFAM Appeared

Molecular Function

catalytic activity
coenzyme pinding

NAD dependent epimerase/dehydratase family

Family

ORESON

NADP_Rossm